

## ABSTRACT OF THE DISCLOSURE

A grinder with easily installable/detachable grinding disc, including: a main body in which a driving unit is disposed for driving a rotary shaft, an annular toothed section being formed on the circumference of the rotary shaft; a bracket rotatably disposed under the bottom face of the main body; a support tray disposed under the bracket, several rail channels being radially formed on the support tray; and a predetermined number of detent members respectively slidably disposed in the rail channels. When turning the bracket, the detent members are driven to move along the rail channels. When the detent members are contracted, the arched toothed sections of the inner ends of the detent members engage with the annular toothed section of the rotary shaft, whereby the rotary shaft cannot rotate for replacing grinding disc. After replacing the grinding disc, the detent members are moved outward along the rail channels to disengage from the rotary shaft.